EVAKOOL UPRIGHT FRIDGE FREEZERS

OPERATING MANUAL

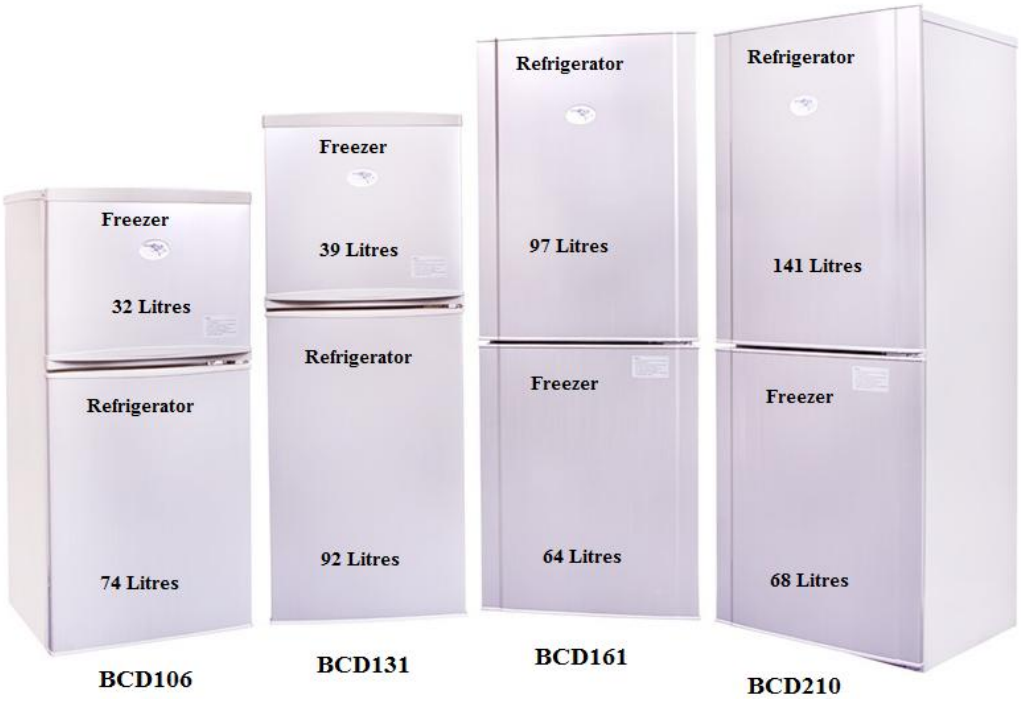

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Table of Contents

Introduction	2
Internal Diagram	2
Safety Information	2
Installation Instructions	3
Packing and Moving	3
Operation Instructions	3
Temperature Control	4
Fridge Compartment	4
Freezer Compartment	4
Cleaning and Care	4
Defrosting	5
Technical Specifications	5
Packing List	5
Troubleshooting	6

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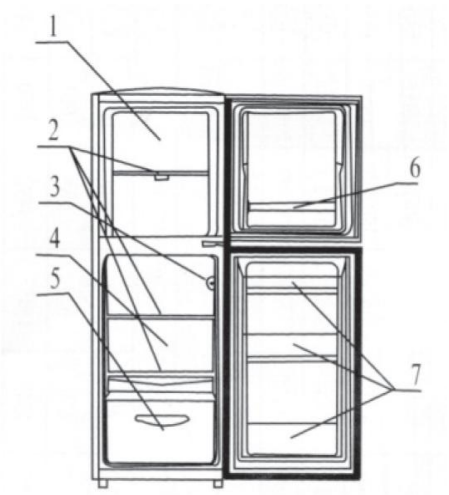
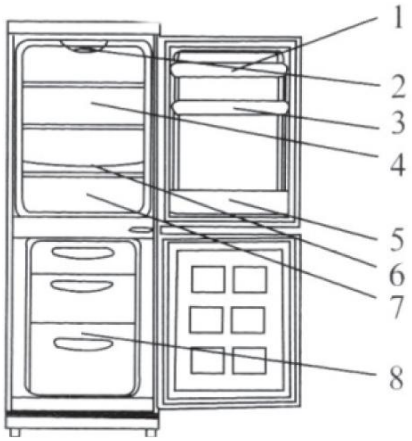
Introduction

Thank you for purchasing an Evakool Upright Fridge Freezer. These units utilize a 12/24V compressor, offering lower power consumption and great cooling performance. Evakool offers a 2 year warranty, valid from the date of purchase.

Internal Diagram



BCD-106/BCD-131



BCD-161/BCD-210

1 – Freezer Compartment
2 – Shelf (Only in BCD-131)
3 – Temperature Controller / Light
4 – Fridge Compartment
5 – Vegetable and Fruit Crisper
6 – Freezer door shelf (Only in BCD-131)
7 – Fridge door bottle shelf

1 – Egg Tray
2 – Temperature Controller / Light
3 - Bottle Shelf
4 – Fridge Compartment
5 - Large Bottle Shelf
6 – Water drain
7 – Vegetable and Fruit Crisper
8 – Freezer Compartment

Safety Information

Please read and follow all safety instructions

- When removing the plug from the power source, hold the plug and do not pull the cable.
- Avoid any moisture or liquids coming into contact with the electronics.
- Never store glass bottles or soft drink / beer cans in the freezer as these may shatter or explode.
- Whenever the unit is operating please ensure it is upright and level.
- Always make sure the correct voltage is being used.
- Never obstruct the vents as they supply the necessary cooling airflow to the compressor and fan.
- Do not place any electrical devices (e.g. power adaptors) inside the refrigerator as they may be damaged by moisture and humidity generated during use of the fridge.

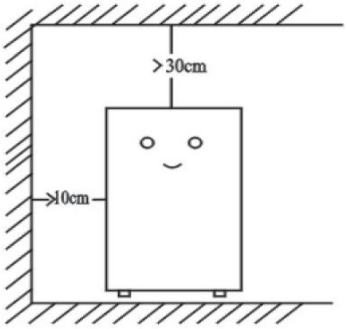
EVAKOOL UPRIGHT FRIDGE FREEZERS

OPERATING MANUAL

Installation Instructions

- Select a flat and firm surface to install the fridge onto.
- To ensure proper ventilation for the unit in order to improve refrigeration efficiency and save energy, allow approximately 100-150mm around the sides, back and 300mm on top of the unit. (see diagram below)
- Leave a space to allow for the door to swing open. (135 degrees when fully open)
- Ensure the fridge is not exposed to direct sunlight or a heat source.
- Try to avoid installing your unit in a location where there is high humidity.
- When installing the refrigerator on a carpet floor please place something firm and level under the fridge.
- If mounting the refrigerator in a motorhome or caravan never screw through the external case or base of the refrigerator in order to secure it to the floor or any other surrounding structure.
- If you need to permanently mount the refrigerator (in the case of a motorhome or caravan) it is best to secure a timber or metal surround to the floor around the base of the refrigerator, and secure the top of the refrigerator so that it does not tilt over.

Packing and Moving



- When removing the fridge from its original packaging make sure to take note of how it is packaged in case you need to transport it in the future.
- Make sure to keep the fridge upright and avoid knocking it while moving. If it is necessary to lean the fridge, lean the fridge at an angle no greater than 45 degrees.
- Do not hold the fridge by the door when moving as this could cause damage to the hinges or door.
- Be sure not to shake the unit whilst moving it.

Operating Instructions

Power : The fridge can be powered by either 12V or 24V DC using the lead supplied. With an AC Adaptor, the unit can be run off 240V (mains power).

The operating power range for 12 Volt is 10.4V to 16.8V and the 24 Volt range is 22.3V to 30.7V. If the voltage is out of this range the fridge will automatically cut out. Once the voltage returns to the operating range the fridge will start again.
CAUTION ~ DO NOT run the unit off a power source that fluctuates as this may cause damage to the electronics.

- **Do not power the refrigerator on** unless it has been standing upright for at least four hours.
- When using the unit for the first time, please keep your fridge empty and running until it starts to cycle, this should take somewhere between 8-24 hours.
- When storing food inside the fridge, make sure there is enough room around products to enable air circulation. Do not pack product in too tightly.
- Please make sure that food and liquids are stored in appropriate containers when placing them inside the refrigerator.
- If possible, to reduce energy consumption please cool product before it is placed inside the fridge.
- Try not to open either the fridge or freezer doors too frequently as this will increase energy consumption.

Temperature Control

The temperature knob controller is for adjusting inside temperature. The inside temperature gets lower as the dial is turned higher.

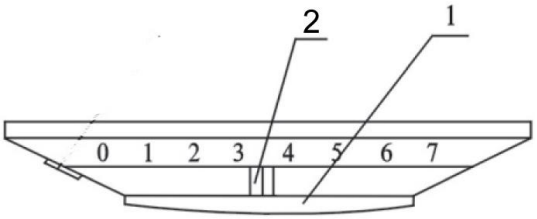
Please note, that the temperature control on some fridges may only have a dial that goes from 1 to 3

i.e. 1 is the warmest and either 3 or 7 is the coldest.

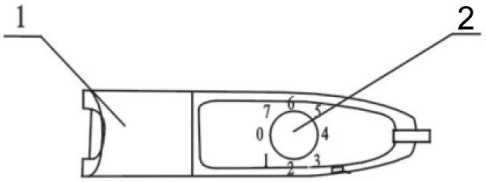
Note. It is not possible to adjust the internal temperature of the refrigerator and the freezer individually.

1 – Light

2 – Temperature control knob



BCD-161 / BCD-210



BCD-106 / BCD-131

Storing Product in the Fridge

- Please ensure that food is only placed in the fridge for short term storage.
- For food that is high in water content please wrap in paper first to absorb any condensation before storing in the fridge.
- The shelves inside the cabinet can be adjusted as required for convenient storage of foods of different heights. Where the shelves are made of glass, handle with care when changing their position.
- Make sure that when food is stored in the fridge it is not packed in too tight as this will affect the cooling circulation and cause high power usage.
- The vegetable and fruit crisper is ideal for storing fruits and vegetables which are easily accessible.
- The door shelf is very handy for storing eggs and drinks.

Storing Product in the Freezer

- The normal temperature of a freezer should be around -18^{o}C which can preserve food in a fresh state for a long period of time.
- Never place food with corrosive attributes into the freezer as this could cause damage if it leaks.
- Please ensure that warm or hot food is cooled down before it is placed inside either the refrigerator or freezer.
- If freezing food, it is better to reduce food into smaller portions before freezing. This will help the freezer and draw less power.
- Do not put any glass, glass bottles, or soft drink / beer cans in the freezer as these may shatter or explode.
- Do not add too much product into the freezer at once as this reduces circulation of cold air and could cause food to go off.
- Do not open the door too frequently as this will reduce the efficiency of the freezer and lead to higher power consumption.
- Generally, take food out as required for thawing, never re-freeze thawed out food as the food may spoil.

Cleaning and Care

Your fridge is for preserving food. Regular cleaning is necessary to keep it sanitary inside. Please unplug the fridge from power before cleaning it.

- Use a piece of soft cloth dipped in lukewarm water or neutral dishwashing detergent when wiping the inside clean. If detergent is used, be sure to clean inside with water and dry with cloth.
- The door seals can become dirty over time, please clean when necessary. Be sure to regularly check these for damage as well.
- Dust can accumulate on the outside of the fridge. This should be wiped away with a soft cloth. If necessary use a damp cloth to remove any stains.
- If the bulb blows or is damaged, unplug the unit and remove the light cover. (Use Replacement bulb - DC12V/4W).

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OPERATING MANUAL

CAUTION

- DO NOT spray / splash your fridge with water directly.
- NEVER use washing powder, alkaline detergent, a steel brush, gasoline, thinners, kerosene, acid, or boiling water while cleaning your fridge / freezer, otherwise your fridge may become damaged.
- Clear away spills immediately.
- Always check the following before use:-
    - Check the 12V cord to see if it is cracked or damage.
    - Check that the plug is well connected at the socket
    - Check that the plug has no burn or scorching marks
    - Check that the 240V cable is not frayed or damaged.

Defrosting your fridge

- Excessive frost coverage may affect the performance of the refrigerator and increase power consumption.
- If the frost is ice-like, it is time to defrost the fridge.
- Dry all excess water with a towel or soft cloth.
- Please try and defrost the fridge and freezer every 1-2 Months.

Technical Specifications

Model	BCD106	BCD131	BCD161	BCD210
Climate Class	N	N	N	N
Total Capacity	106 L	131 L	161 L	210 L
Fridge Capacity	74 L	92 L	97 L	141 L
Freezer Capacity	32 L	39 L	64 L	68 L
Voltage Range	12V (10.4V ~ 16.8V) or 24V(22.3V ~ 30.7V)			
Power Usage **	~ 65 W ~ 5.5 Amps	~ 70 W ~ 5.9 Amps	~ 75 W ~ 6.3 Amps	~ 80 W ~ 6.7 Amps
Weight	28 Kg	31 Kg	40 Kg	48Kg
Dimensions ~ mm (H x W x D)	1043 (H) 465 (W) 515 (D)	1226 (H) 460 (W) 520 (D)	1385 (H) 505 (W) 550 (D)	1601 (H) 526 (W) 589 (D)
Compressor	Italian designed DOMUS T26K Compressor			
Refrigerant	R134a			
Other Features	Metal door retaining clips, Adjustable Temperature Control, Interior fridge light			
Freezer Drawer	-	-	3	3
Freezer Shelf	-	1	-	-
Metal Wine rack	-	-	-	1
Plastic coated metal shelves	1	2	2	2
Glass shelves (incl. top of crisper)	2	3	3	2
Vegetable drawer (crisper)	1	1	1	1
Ice Tray & Egg container	-	1	1	1

** **Note:** The Power Usage figures quoted above are estimates only. Depending upon the ambient (outside) temperature, the temperature the fridge is set to, where and how it is installed, how often the doors are opened etc., the total daily power consumption could vary from as little as 70 Amps to much more. As more detailed information comes to hand these figures will be updated.

- **These specifications may change at any time without notice.**

Packing List

- **12V / 24V Upright Compressor Fridge/Freezer**
- **User Manual**
- **Power Cord**
- **240V AC to 12V DC Adaptor**
- **Items as per Specification table above**

Troubleshooting

If the fridge is not cooling

- Check if the plug is securely fitted into the power socket?
- Check if the power cord is damaged?
- Check is the power source is on?
- Check whether the voltage is in the correct range?

If low refrigeration performance

- Too much product has been placed inside the unit.
- There is too much warm product inside the unit.
- The door is unlatched / or open.
- The door seal is broken.
- Problems arising from poor ventilation (ensure at least 150mm of space around all sides and 300mm around top)
- The ambient (outside) temperature is very hot.
- The temperature is set too high.

If the fridge is very noisy

- Check if the floor is level or unstable?
- Is anything touching your refrigerator?

If the fridge does not cycle off

- Is the ambient (outside) temperature very high? – Try to improve ventilation.
- Is the door being opened too frequently?
- Is the door tightly closed?
- Is the temperature setting set to very cold ~ on 4-7?

If there is a bad smell coming from the fridge

- Is there any spoilt food in the fridge?
- Does your fridge need cleaning?

If there is water underneath the fridge coming from the back

- Is water outlet of the refrigerator blocked?

If there is large frost built up on the inside of the fridge

- Is the ambient humidity high?
- Does your fridge need to be defrosted?

The following are NOT problems

If you can hear the sound of running water from inside the fridge

- This is normal, due to the flow of refrigerant around the cooling pipes.

If there is an unusual noise when refrigerator is working

- This may be caused by your refrigerator not running on a level surface.

If none of the above solves your issue please contact Evakool on (07) 5492 7777 or your local Evakool service centre.

*This manual is for reference purpose only. The product you have purchased may differ slightly from the one shown in this manual.